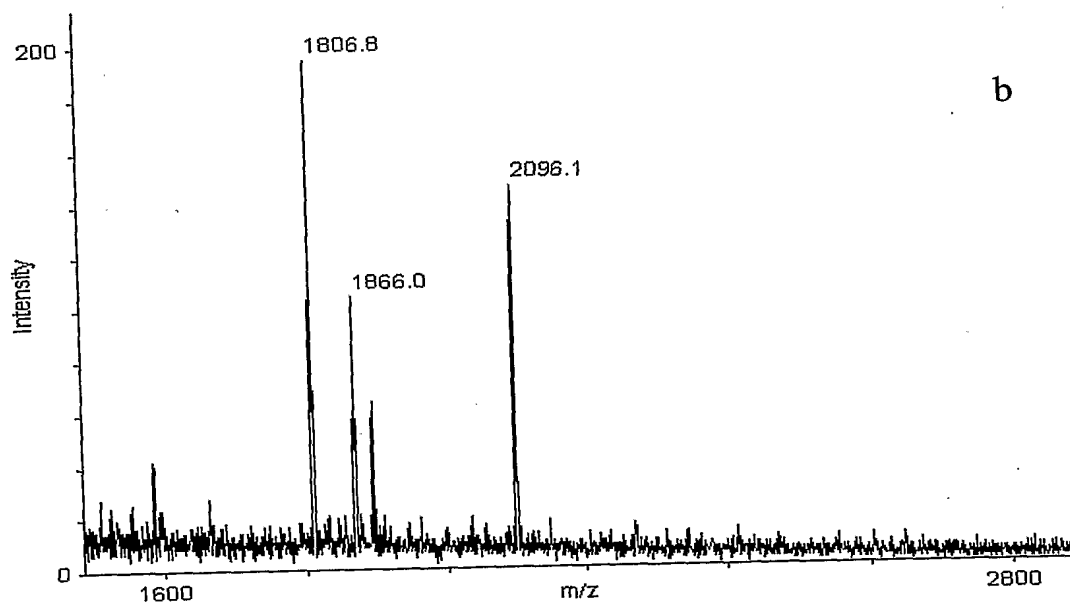
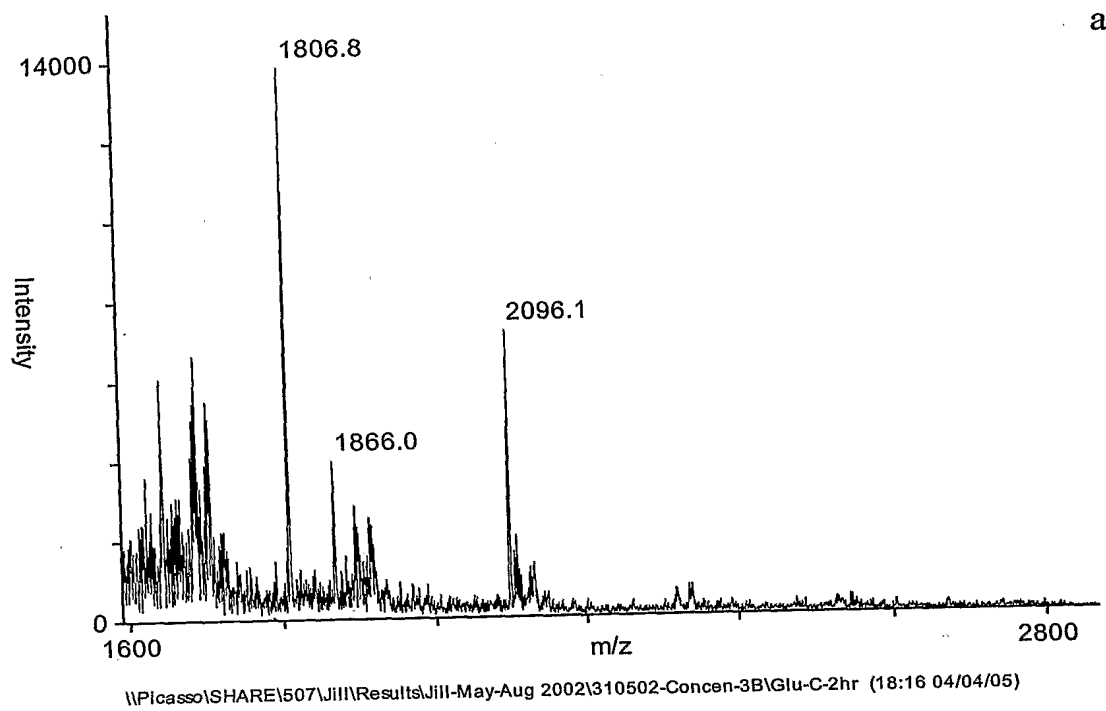


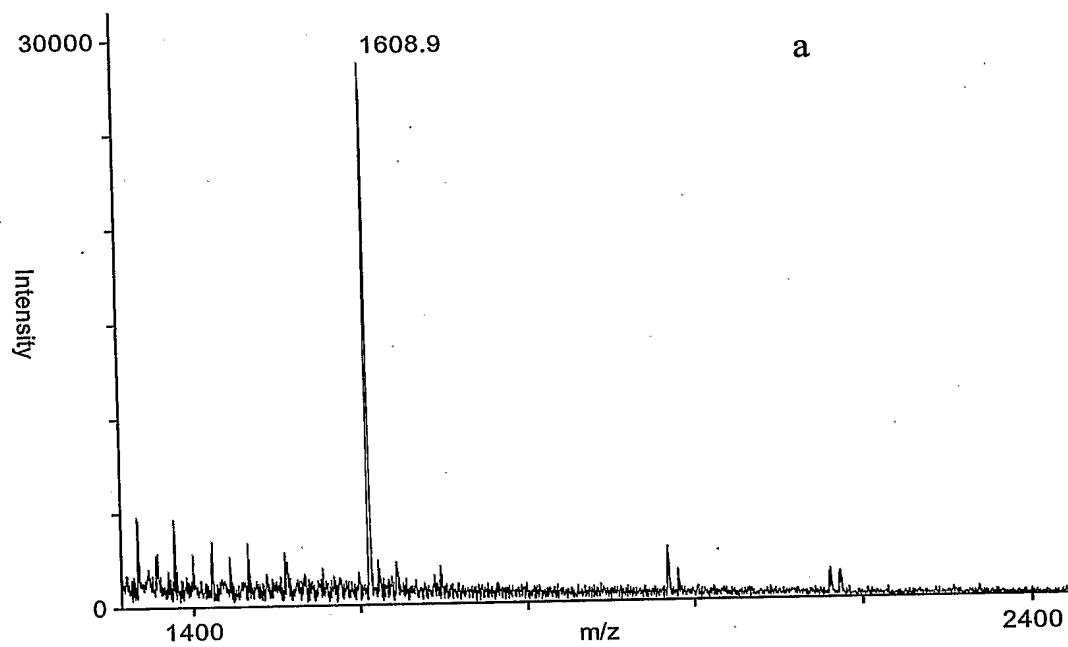
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FIG.1

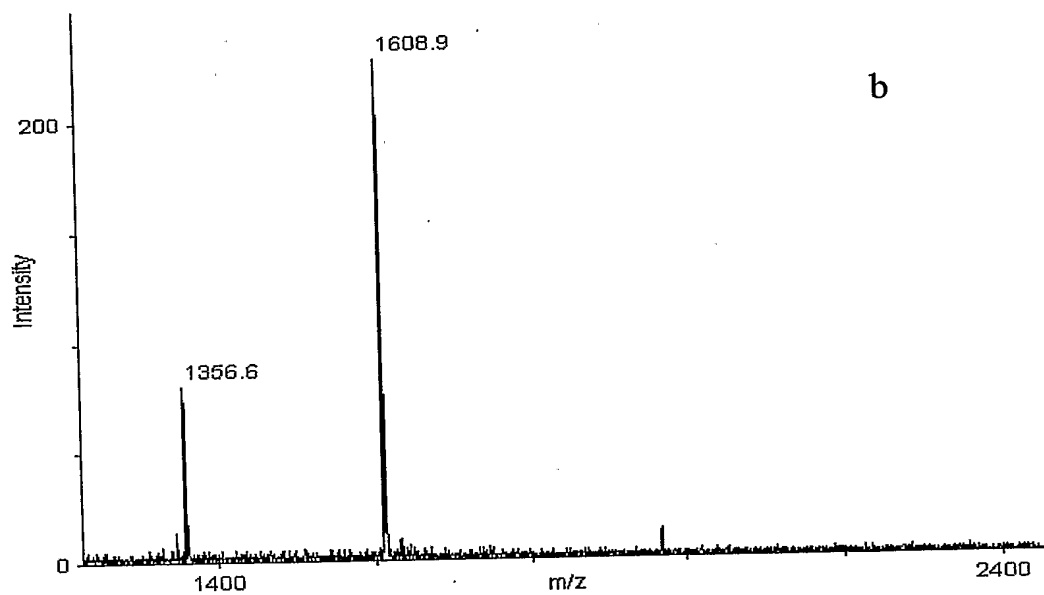


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FIG. 2



\\Picasso\SHARE\507\Jill\Results\Jill-May-Aug 2002\310502-Concen-3B\TRP-2hr (18:16 04/04/05)

\\Picasso\SHARE\Jill\Jillmsdata\b12 mn trp.massml (18:10 03/24/04) m/z
Description: none available

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```

1   MRVKEKYQHL WRWGKWKGTM LLGILMICS TEKLWVTVYY GVPVWKEATT TLFCASDAKA
61  YDTEVHNVWA THACVPTDPN PQEVVLVNV ENFNMWKNDM VEQMHEDIIS LWDQSLKPCV
121 KLTPLCVSLK CTDLGATNT NSSNTNSSSG EMMMEKGEIK NCSFNISTSI RGKVQKEYAF
181 FYKLDIIPID NDTTSVTITS CNTSVITQAC PKVSFEPIPI HYCAPAGFAI LKCNNKTFNG
241 TGPCTNVSTV QCTHGIRPVV STQLLINGSL AEEEVVIRSA NFTDNAKTII VQLNQSVIN
301 CTRPNNNTRK SIRIQRGPR AFVTIGKIGN MRQAHCNISR AKWNATLKQI ASKLREQFGN
361 NKTIIIFQSS GGDPEIVTHS FNCGGEFFYC NSTQLFNSTW FNSTWSTEGS NNTGSDTIT
421 LPCRIKQFIN MWQEVGKAMY APPISGQIRC SSNITGLLLT RDGGNNNNGS EIFRPGGGDM
481 RDNWRSELYK YKVVKIEPLG VAPTKAKRRV VQREKR

```

Figure 3.

```

1   IPGEKLWVTV YYGVPVWKEA TTTLFCASDA KAYDTEVHNV WATHACVPTD PDPQEVVELVN
61  VTENFNMWKN NMVEQMHEDI ISLWDQSLKP CVKLTPLCVT LNCTDLRNTT NTNNSTANN
121 SNSEGTIKGG EMKNCSFNIT TSIGDKMQKE YALLYKLDIV SIDNDSTSYR LISCNTSVIT
181 QACPKISFEP IPIHYCAPAG FAILKCNDKK FSGKGSCKNV STVQCTHGIR PUVSTQLLLN
241 GSLAEEFVVI RSENFTDNAK TIIVHLNESV QINCTRPNYN KRKRIHIGPG RAFYTTKNII
301 GTIRQAHONI SRAKWNNTLR QIVSKLKEQF KNKTIVFTQS SGGDPEIVMH SFNCGGEFFY
361 CNTSPLFNST WNGNNTWNNT TGSNNNTLQ CKIKQIINMW QKVGKAMYAP PEIGQIRCSS
421 NITGLLLTRD GGKDTDDT EIFRPGGGDM RDNWRSELYK YKVVTIEPLG VAPTKAKRRV
481 VQREKR

```

Figure 4.

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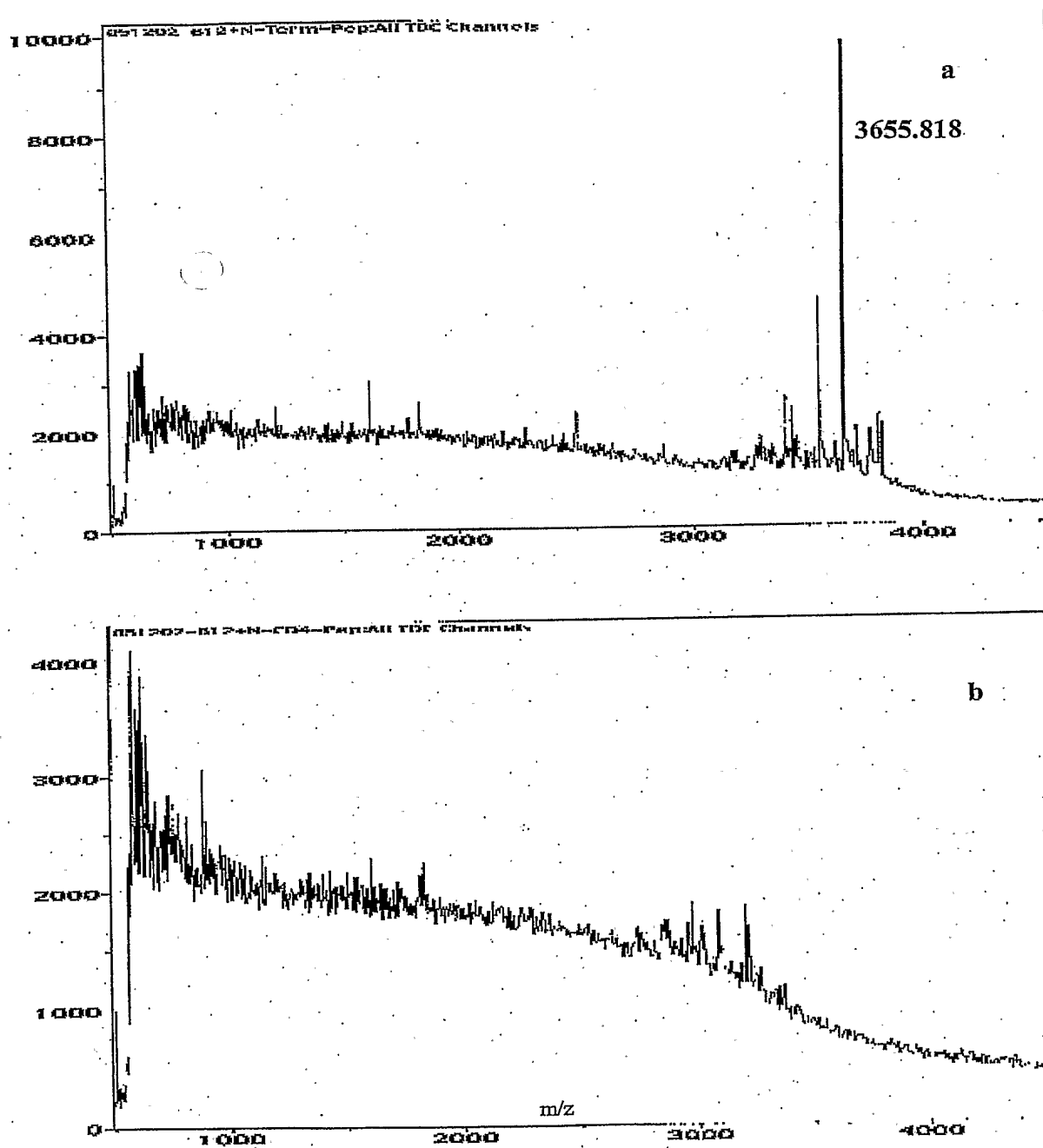


Figure 5:

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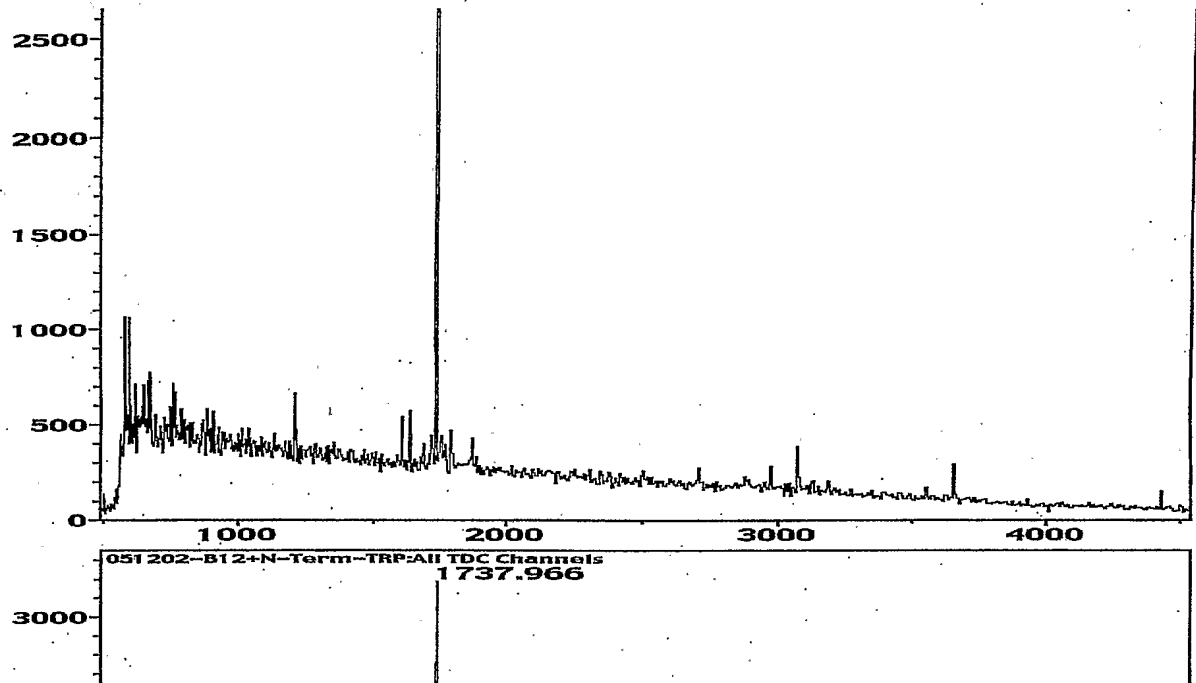


Figure 6.

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IgG1b12 neutralizing specificities

Strain	Sequence	Clade	Neutralizing Titer (ID50)
Consensus	LWVTVYYGVPVWKEATTTLFCASDAK	-	
Ug273	LWVTVYYGVPVWRDAETTLFCASDAK	A	10 µg/ml
DJ258	LWVTVYYGVPVWRDAETTLFCASDAK	A	35
MN	LWVTVYYGVPVWKEATTTLFCASDAK	B	<0.04
Lai (IIIB)	LWVTVYYGVPVWKEATTTLFCASDAK	B	<0.04
BK132	LWVTVYYGVPVWKEATTTLFCASDAK	B	9.3
SF2	LWVTVYYGVPVWKEATTTLFCASDAK	B	0.2
DJ259	LWVTVYYGVPVWKDANPPLFCASDAK	C	29
ZM20	LWVTVYYGVPVWKEAKTTTLFCASDAK	C	>50
CM235	LWVTVYYGVPVWRDADTTTLFCASDAK	E	20
BZ163	LWVTVYYGVPVWKDATTTTLFCASDAK	F	49
MVP5180	LWVTVYYGVPVWEEAAPVLFASDAN	O	>50

Figure 7

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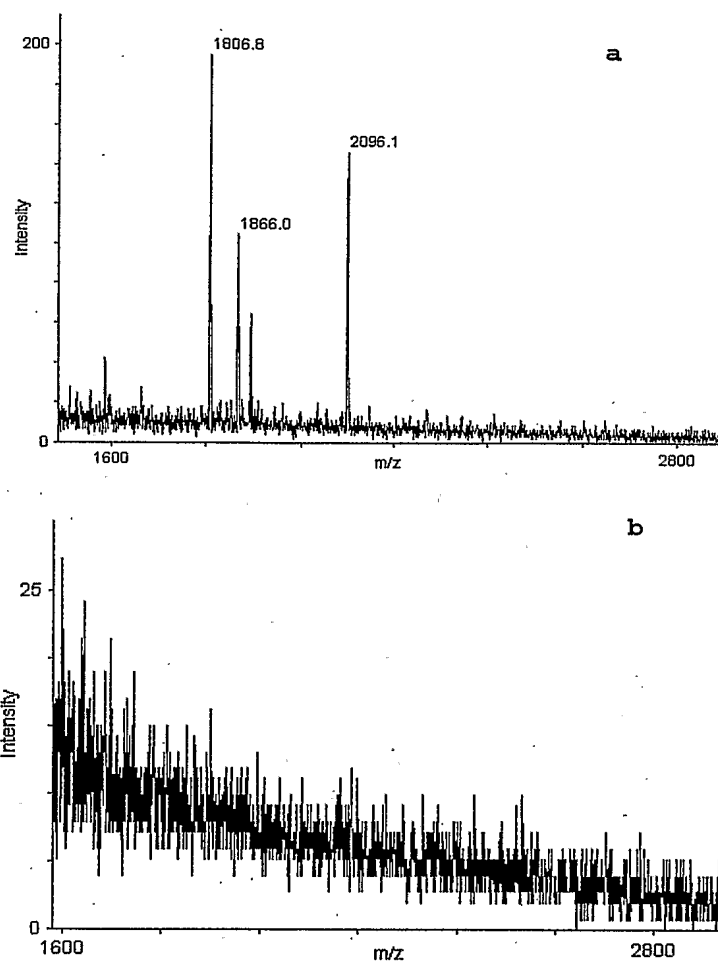


Figure 8.

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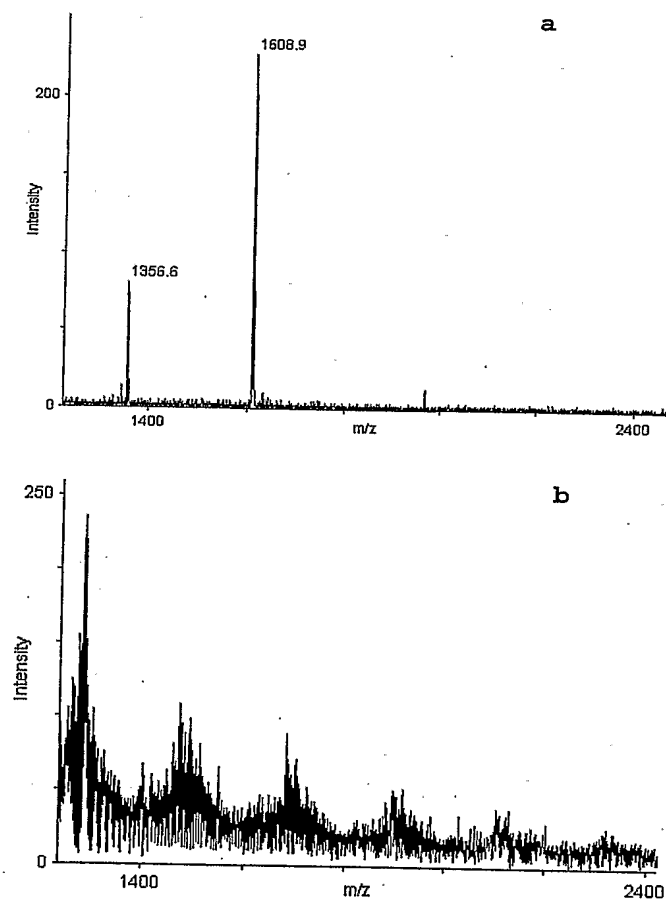


Figure 9.

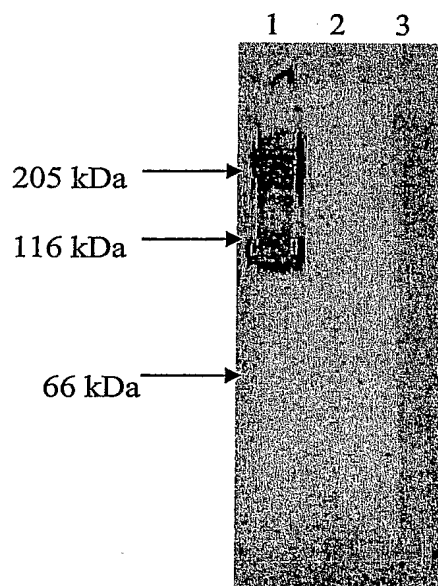


Figure 10.

FIG. 11

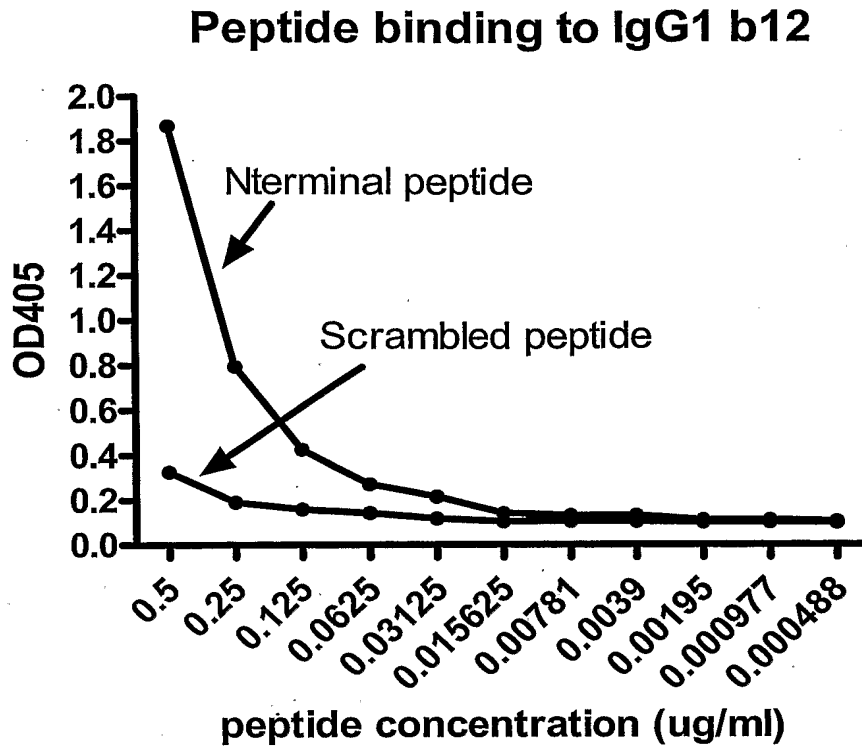
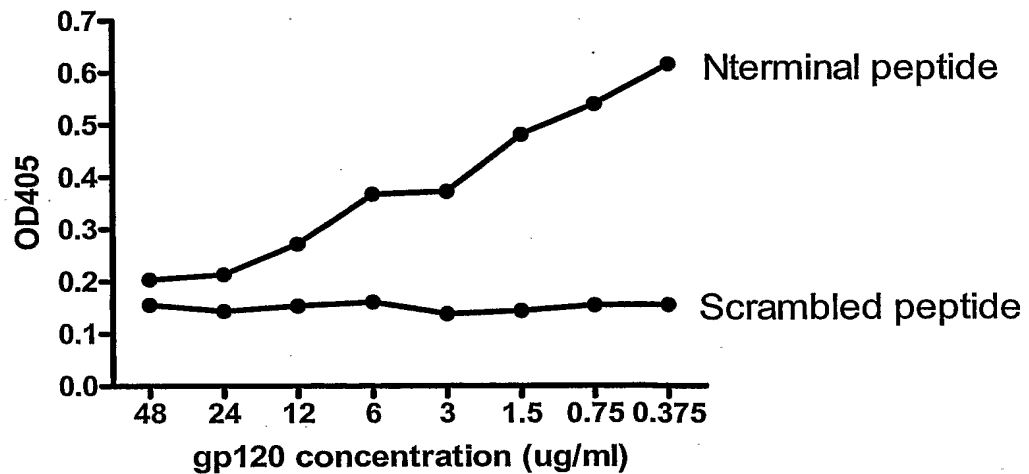


FIG. 12

Inhibition of IgG1 b12 binding to peptide by gp120

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A

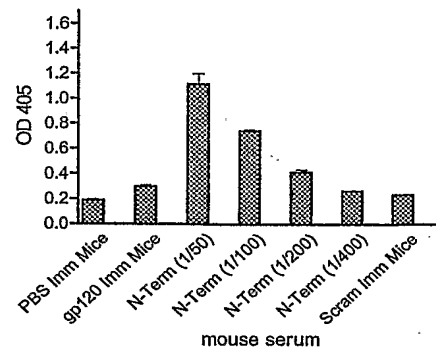
gp120 Recognition by Differentially Immunized Mice

Figure 13A

B

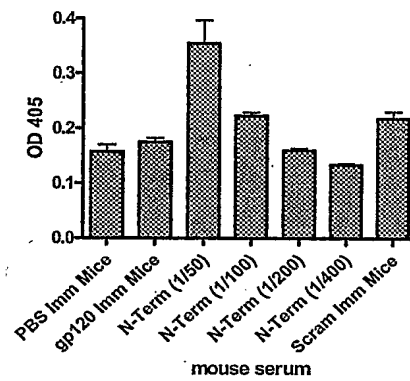
N terminal Peptide Recognition by Differentially Immunized Mice

Figure 13B

C

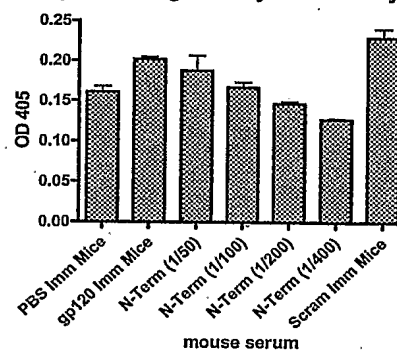
Scrambled Peptide Recognition by Differentially Immunized Mice

Figure 13C